



FEMA

# Fact Sheet

July 2006

## *Kenosha County, WI DFIRM Production*

### Introduction

With contracted support from CDM, the Federal Emergency Management Agency (FEMA) and the Wisconsin Department of Natural Resources (DNR) have teamed up to produce countywide digital flood insurance rate maps (DFIRMs) for Kenosha County, WI. Work on the DFIRM production tasks began in the fall of 2005, and is scheduled to be completed by the end of December 2006. This Fact Sheet is being distributed to provide an update of the status of this project, including:

- Review of different production types to create DFIRMs
- Summary of the Scope of Work and stream reaches that are included in the DFIRM process
- Estimated completion schedule
- Points of contact if you have questions

### DFIRM Production Types

**FIRM-Based Delineation:** Production method where existing effective flood boundaries are converted to a digital format. This method is used in areas where there is no new topographic data available to revise the flood data.

**Redelineation:** Production method where existing effective flood boundaries are revised based on more accurate topographic data.

**Leverage Study:** Production method where a revised flood study is provided by a third party, such as a CTP or private contractor; pending review for compliance with FEMA guidelines the study is subsequently incorporated into the new DFIRM.

### Scope of Work

Based on available funding, available data, and community needs, the Kenosha County, Countywide DFIRM Project Scope includes the following:

- Digital Base Map preparation

- Mapping production including FIRM-Based Delineation, Redelineation and Leverage Study
- Production of 59 proposed DFIRM panels
- Production of Countywide FIS report and profiles
- Preliminary DFIRM/FIS distribution

The table included with this Fact Sheet contains a detailed list of stream mileage and the associated study type for each reach that will be included in the DFIRMs. The table also includes a list of "Unmet Community Needs" which represents stream reaches that were not included in this initial phase because they did not have appropriate technical information, were not available to meet the current Map Mod schedule requirements, or did not have available funding. Unmet needs will be addressed in the subsequent maintenance phase of FEMA's Map Modernization Program.

### Progress and Next Steps in DFIRM Process

The mapping production phase for Kenosha County is over 90% complete. Once FEMA and WDNR have completed the draft floodplain boundaries, the draft maps will be reviewed for technical accuracy and compliance with FEMA guidelines and specifications, and incorporated into the DFIRMs. Following the distribution or posting of preliminary map products to county and DNR websites, FEMA and the DNR will conduct a Flood Risk Information Open House at a common county venue; the purpose of this event will be to present the new maps, discuss the public comment and 90-day appeals process, and share flood risk and mitigation information with the public. A smaller meeting will also be held with community officials to discuss the public review process in more detail and outline ordinance update measures that will be required at the end of this mapping project. These meetings are tentatively scheduled for winter 2007.

The following table contains a detailed list of stream mileage and the associated Study Type for each reach.

This information can also be downloaded from the DNR website at <http://dnr.wi.gov/org/water/wm/dsfm/flood/mapping.htm>.

#### KENOSHA COUNTY DFIRM UPDATE

Flooding Source	Zone AE Redelineation (miles)	FIRM-Based Delineation (miles)	Leverage Study (miles)	Zone A Redelineation (miles)
Barnes Creek			2.20	0.35
Bassett Creek	0.48	3.55		
Brighton Creek			17.57	6.92
Des Plaines River			23.25	
Dutch Gap Canal			10.36	
Fox River	1.74	14.98		
Hoosier Creek Canal				
Jerome Creek			6.80	3.74
Kilbourn Road Ditch			9.78	
Michigan, Lake		13.60		
New Munster Creek		0.97		3.61
Palmer Creek				3.07
Peterson Creek		1.83		3.10
Pike Creek	0.00		28.71	0.00
Root River			10.12	5.78
Salem Branch				0.31
Spring Brook				0.27
Trevor Creek		6.34		2.46
UT	3.31	2.00	0.50	38.13
<b>TOTAL STREAM MILES</b>	<b>5.53</b>	<b>43.27</b>	<b>109.29</b>	<b>67.74</b>

#### MAP MODERNIZATION MAINTENANCE - UNMET NEEDS

Flooding Source	Needs Identified
Fox River	Elevations should be redelineated
EB Nippersink Creek	Powers Lake is 3 feet lower than mapped
Pike River	Incorporating 1983 and 1996 amendment floodplain boundaries have not utilized HSPF flows developed in 2003
Pike River	Corps is studying outlet into Lake Michigan for sediment shoaling
Von Guten Creek	Storage has been added- unsure of floodplain change

#### Project Points Of Contact

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